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## PATENT ABSTRACTS OF JAPAN

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## (54) SOUND FIELD SIMULATION SYSTEM

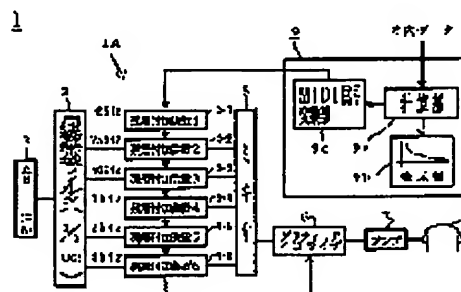
## (57) Abstract:

**PURPOSE:** To provide the sound field simulation system which simulates an indoor sound field with simple constitution.

**CONSTITUTION:** Data on the inside of a room are inputted to a computer 9, a calculation part 9a calculates a reverberation time and speaker transmission frequency characteristics, and the simulation result based upon the calculation results are visually displayed at a display part 9b and also converted into a MIDI signal by using a MIDI signal conversion part 9c. Parameters of the reverberation adding device 4 and graphic equalizer 6 of a sound field reproducing device 1A are set by using the MIDI signal to add a rever-

beration sound to the speech signal outputted from a sound source 2 and thus a speech signal corresponding to the speaker transmission frequency frequencies is obtained to auditorily reproduce the sound field simulation result of the room through headphones 8.

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